

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application	on of:)	
HOW	ARD ET AL.)	
Serial No:	10/621,639)	
Filed:	July 17, 2003)	
For: METE	IOD AND SYSTEM FOR P	POCESSING CAS	TINGS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant hereby voluntarily discloses the items listed on the attached Form PTO-1449 to the Assistant Commissioner for Patents. Copies of items A-FV are enclosed herewith.

Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as a representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to account no. 09-0528.

Date: 1/12/03

D. Scott Sudderth Reg#34,026 Louis T. Isaf

Reg#29,078

Attorneys for Applicant

Womble Carlyle Sandridge & Rice, PLLC P.O. Box 7037 Atlanta, GA 30357-0037 (404) 872-7000 (Telephone) (404) 888-7490 (Facsimile)

Docket No.:

C152 1160.1



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being mailed in an envelope by First Class mail to:

Commissioner for Patent P.O. Box 1450 Alexandria, VA 22313-1450

on 9-16-03

Suzanne Skinner

(Typed or printed name of person mailing correspondence)

Signature of person mailing correspond

Signature of person mailing correspondence)

Application Number:

10/621,639

File Date:

July 17, 2003

Title:

METHOD AND SYSTEM FOR PROCESSING CASTINGS

Our Reference Number:

C152 1160.1

Information Disclosure Statement Forms PTO-1449 Copies of References A-FV Return Postcard

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INFORMATION DISCLOSURE CITATION

Attorney Docket No. Serial No. C152 1160.1 10/621,639

Applicant Howard et al.

(Use several sheets if necessary)

Filing Date Group
July 17, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Α	5,531,423	07/96	Crafton et al.	266	44	
	В	5,565,046	10/96	Crafton et al.	148	538	
	С	5,294,094	03/94	Crafton et al.	266	44	
	D	5,350,160	09/94	Crafton et al.	266	252	
	Е	5,354,038	10/94	Crafton	266	44	
	F	5,439,045	08/95	Crafton	164	5	
	G	5,551,998	09/96	Crafton et al.	148	538	
	Н	5,738,162	04/98	Crafton	164	5	-
	I	4,340,433	07/82	Harding	148	16	
	J	4,604,055	08/86	Mackenzie	432	58	
	K	4,648,836	03/87	Thom	432	107	

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		Document Number	Date	Country	Class	Subclass	Transl	ation
		rumoor		·			Yes	No
	L	2074022	09/85	Japan				
]	M	5939464	08/82	Japan				
	N	59219410	12/84	Japan				
	0	5825860	02/83	Japan				
	P	5653867	05/81	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Q	Economical Used Energy Type Continuing Heat Treating Furnace For Aluminum Castings
	Dogyo - Kanetsu Vol. 21 No. 2 Pages 29-36 - March 1984
R	Brochures describing Beardsley & Pipe PNEU-RECLAIM Sand Reclamation Units
	Prior to August 13, 1992
S	Brochure describing Fataluminum Sand Reclamation Units - Prior to August 13, 1992
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^{*} EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



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	T 4,392,814		814	07/83	Harding		431	170		
	U	4,478,	572	10/84	Selli .		432	13		
	V	4,415,4	444	11/83	Guptail		209	3		
	w	4,411,	709	10/83	Nakanishi		148	3		
	X	4,700,	766	10/87	Godderidge	,	164	5		
	Y	4,620,	586	11/86	Musschoot		164	253		
	Z	3,871,	438	03/75	Vissers et al.		164	5		
	AA	4,140,4	467	02/79	Ellison et al.		432	72		
	AB	5,253,	698	10/93	Keough et al.		164	269		
	AC	4,457,	352	07/84	Scheffer		164	5		
	AD	4,579,	319	04/86	Sasaki		266	252		
			F	OREI	GN PATENT DO	CUMENTS				
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	AE	22307	20	10/90	UK		B220	29/00		
	AF	02348	10	03/85	USSR		164	132		
	AG	63168	53	01/88	Japan		164	132		
	AH	320604	48	02/82	Germany					
	ΑI	23077	73	02/73	Germany					
		OTH	ER DOCUM	ENTS	(Including Author, T	Title, Date, Pert	inent Pa	ges, etc.)		
		AJ P	aul M. Crafton	- Heat	Treating Aging Syste	m Also Permits	Core Sa	and Remov	al - Repri	nted
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	AK	2,98	38,351	06/61	Barnett et al.		263	40		
	AL	4,21	1,274	07/80	Slowinski et al.		164	401		
	AM	4,29	94,436	10/81	Takahashi		266	257		
	AN	3,53	34,946	10/70	Westerkamp et al.		263	28		
	AO	4,51	77,671	03/86	Stephan		164	401		
	AP	4,54	14,013	10/85	Kearney et al.		164	5		
	AQ	4,95	55,425	09/90	McKenna		164	269		
*****	AR	4,58	32,301	04/86	Wunning		266	87		
	AS	3,73	37,280	06/73	Cromp		432	14		
	AT	5,42	23,370	06/95	Bonnemersou et al.		164	132		
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		Nur	nber						Yes	No
	AU	609	2040	05/85	Japan		164	132		
	AV	401	2158	1989	Germany		164	5		
	AW	112	9012	07/82	USSR					
	AX	291	4221	04/79	Germany					
	AY	156	9152	06/80	UK					
		CO	HER DOCUM	MENTS	(Including Author, I	Title, Date, Peri	tinent Pa	ges, etc.)		
		ΑZ	Sales brochure	describi	ng Thermfire Brand S	Sand Reclamati	on, Gudg	geon Bros.,	Ltd.	
			believed to be l	nown to	o others prior to 09/89)				
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			Simplicity Eng	ineering.	, Inc believed to be	known to other	s prior to	09/89		
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INFORMATION DISCLOSURE CITATION

July 17, 2003

(Use several sheets if necessary)

Attorney Pocket No. Serial No. C152 1160.1 10/621,639 **Applicant** Howard et al. Filing Date Group

			U.S.	PATENT DOCUMENTS				
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	BB	4,161,389	07/79	Staffin et al.	432	58		
	BC	4,519,718	05/85	Staffin et al.	374	45		
	BD	4,457,788	07/84	Staffin et al.	148	20.3		
	BE	5,378,434	01/95	Staffin et al.	422	141		
	BF	5,018,707	05/91	Hemsath et al.	266	254		
	BG	5,251,683	10/93	Backer	164	98		
	ВН	4,547,228	10/85	Girrell et al.	148	16		
ļ	BI	4,671,496	06/87	Girrell et al.	266	78		
	BJ	4,512,821	04/85	Staffin et al.	148	16.5		
	BK	4,524,957	06/85	Staffin et al.	266	252		
	BL	4,779,163	10/88	Bickford et al.	361	212		
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	BM	2337894	11/74	Germany	В08ь	7/04		
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	Document	Date	Country	Class	Subclass	Transla	ation	
	Number		·			Yes	No	
ВМ	2337894	11/74	Germany	B08b	7/04			
BN	1,564151	04/80	UK					
во	2315958	04/74	Germany	B08b	5/00			-
BP	7043571	12/70	France	15/00	11/00			
BQ	1392405	04/75	UK	25/00	33/18			
	BN BO BP	Number BM 2337894 BN 1,564151 BO 2315958 BP 7043571	Number BM 2337894 11/74 BN 1,564151 04/80 BO 2315958 04/74 BP 7043571 12/70	Number BM 2337894 11/74 Germany BN 1,564151 04/80 UK BO 2315958 04/74 Germany BP 7043571 12/70 France	Number But B	Number Bottom B	Document Number Date Sound Yes Yes	Number Yes No Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

 BR	Sales brochure describing AirTrac Brand Fluidizing Conveyor, Air Trac Systems Corp.,
	believed to be known to others prior to 09/89
BS	Sales brochure describing Fluid Bed Calcifer Thermal Sand Reclamation Systems,
	Dependable Foundry Equipment Co Believed to be known to others prior to 09/89
 BT	Foundry Management & Technology - 12/89 - Vol. 117; No. 12; Pg. G3 - Shakeout/Cleaning/
	Finishing Brochure

^{*} EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:



Attorney Docket No. Serial No. C152 1160.1 10/621,639

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				U.S.	PATENT DOCU	MENTS				
Examiner Initials	Item	Doc	ument iber	Date	Name	,	Class	Subclass	Filing If Appro	
	BU	5,16	9,913	12/92	Staffin et al.		526	65		
	BV	4,61	3,713	09/86	Staffin et al.		585	241		
	BW	4,06	8,389	01/78	Staffin et al.		34	57A		
	BX	4,62	3,400	11/86	Japka et al.		148	6.35		
	BY	3,76	0,800	09/73	Staffin et al.		128	24.1		
	BZ	4,83	0,605	05/89	Hodate et al.		431	170		
	CA	4,24	2,077	12/80	Нуге		431	19		
	СВ	2,81	3,318	11/57	W. Horth		22	89		
	CC	4,68	1,267	07/87	Leidel et al.		241	23		
	CD	2,38	5,962	10/45	C.A. Barnett		34	13		
	CE	5,85	0,866	12/98	Crafton		164	5	ļ .	
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		Nun	ıber						Yes No	
	CF	119	7981	12/85	Canada		38	18		
	CG	2104	4164	08/90	Japan	· · · · · · · · · · · · · · · · · · ·				
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* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:



Form PT	0-14	49			Attorney D		No. Seri	al No. 521,639	
INF	ORN	MATION DISCL	OSURE	CITATION	Applicant Howard			721,037	
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Examiner Initials	Item	Document Number	Date	Name	;	Class	Subclass	Filing If Appro	
	СМ	5,829,509	11/98	Crafton		164	5		
•	CN	4,177,952	12/79	Rikker .		241	40		
	СО	4,325,424	04/82	Scheffer		164	5		
	СР	4,499,940	02/85	Hall		164	36		
,	CQ	6,112,803	09/00	Kruger		164	103		
	CR	4,817,920	04/89	Erfort, Jr.		266	252		
	CS	5,340,418	08/94	Wei		148	549	1	
	СТ	5,536,337	07/96	Wei		148	549		
	CU	4,419,143	12/83	Ito et al.		148	3		
	CV	4,420,345	12/83	Ito et al.		148	3		
	CW	4,177,085	12/79	Chadwick et al.		148	2		
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	CX	5825417	02/83	Japan		C21D	1/00		
	CY	WO 98/14291	04/98	PCT					
· ·	CZ	2187398	09/87	UK		F27B	15/09		
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Examiner Initials	Item	Documer Number	nt	Date	Name	· · · · · · · · · · · · · · · · · · ·	Class	Subclass	Filing If Appr	
	DC	4,027,86	2	06/77	Schaefer et al.		266	160		<u> </u>
	DD	3,996,41		12/76	Schaefer et al.		13	20		
	DE	3,856,58	3	12/74	Sanders et al.		148	159	1	
	DF	4,620,88	4	11/86	Heath		148	128		
	DG	4,752,06	1	06/88	Dalton et al.		266	87		
	DH	3,675,90	5	07/72	Placek		263	2		
<u>.</u>	DI	3,194,54	5	07/65	Smith		266	3	·	
	DJ	3,222,22	7	12/65	Baugh et al.		148	11.5		
	DK	3,432,36	8	03/69	Nakamura		148	12	<u> </u>	
	DL	3,604,69	5	09/71	Steeper		266	5T		
	DM	3,794,23	2	02/74	Petri		226	50		
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	DN	0546210	A1	06/93	Europe		B22D 29/00	B22D 31/00		
	DO	2448573		02/79	France		C21D 9/00	1/34, 1/6	2	
	DP	1-91957		04/89	Japan					
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INFORMATION DISCLOSURE CITATION

Serial No.
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(Use several sheets if necessary) July 17, 2003 U.S. PATENT DOCUMENTS Filing Date Examiner Item Document Date Class Subclass Name If Appropriate Initials Number DS 4,021,272 05/77 Asai et al. 148 15 148 153 DT | 4,098,624 07/78 Laird, Jr. DU 4,255,133 03/81 Tanifuji et al. 432 24 03/81 Price 432 24 DV 4,257,767 432 11 DW 4,338,077 07/82 Shibayama et al. 432 11 DX 4,357,135 11/82 Wilde et al. DY 4,457,789 07/84 Wilks 148 134 80 DZ 4,606,529 08/86 Tooch 266 EA 4,832,764 05/89 Merz 148 131 EB 4,878,952 11/89 Pillhoefer 148 1 12.7A EC 5,108,519 04/92 Armanie et al. 148 FOREIGN PATENT DOCUMENTS Document Date Country Class Subclass Translation Number Yes No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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	ED	5,108,520	04/92	Liu et al.		148	12.7R		
	EE	5,115,770	05/92	Yen et al.		123	193.6		
	EF	5,120,372	06/92	Yen et al.		420	537		
	EG	5,178,695	01/93	LaSalle et al.		148	698		
	EH	5,226,983	07/93	Skinner et al.		148	549		
	EI	5,306,359	04/94	Eppeland et al.		148	511		
	EJ	5,308,410	05/94	Hurimura et al.		148	561		
	EK	5,312,498	05/94	Anderson		148	695		
	EL	5,336,344	08/94	Wei		148	549		
	EM	5,340,089	08/94	Heath et al.		266	87		
	EN	5,485,985	01/96	Eppeland et al.		266	87		
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	EO	5,514,228	05/96	Wyatt-Mair et al.		148	551		
-	EP	5,518,557	05/96	Jones et al.		148	511		
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	ER	5,551,670	09/96	Heath et al.		266	87		
·	ES	5,571,347	11/96	Bergsma		148	550		
	ET	5,593,519	01/97	Blankenship, Jr. et al		148	514		
	EU	5,643,372	07/97	Sainfort et al.		148	699		
	EV	4,490,107	12/84	Kimura et al.		422	11		
	EW	6,217,317	04/01	Crafton et al.		432	128		
	EX	5,156,800	10/92	Buchet et al.		266	99		
	EY	5,957,188	09/99	Crafton		164	5		
	EZ	6,336,809	01/02	Crafton et al.		432	207		
	FA	6,547,556	04/03	Crafton et al.		432	124		
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Serial No. 10/621,639

INFORMATION DISCLOSURE CITATION

Howard et al.

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